

Figure 1

-255 cgaattcggggcgcc
 -240 gtcaccgggncccagctcgggagacatggggggttaaagctctcgtggnattatcc
 -180 ttcagtggggstattggactgacttttcttatgctgggatgtgccttagaggattatgga
 -120 tttggcagttcacccctgaccatcttgaaaaataaagtatatctctgatctctgtctgtatgtt
 -60 acttctctccccctcaccaacggagaaacaaatgtgggcaaaagtgtacttctctgaagtaag
 1 ATGATTTGTCAAAAATTCTGTGTGGTTTGTACATTGGGAATTATTATGTGATAACT
 1 M I C Q K F C V L L H W E F I Y V I T
 61 GCGTTTAACTTGTCAATATCCAAATTACTCCCTTGGAGATTTAAGTTGTCTTGCCATGCCACCA
 21 A F N L S Y P I T P W R F K L S C M P P
 121 AATCAACCTATGACTACTTCCCTTTGGCCCTGCTGGACTCTCAAAGAATACTTCAAATTCTG
 41 N S T Y D Y F L L P A G L S K N T S N S
 A-----A

Figure 2A

A ----- **A**

181 AATGGACATTATGAGACAGCTGTTGAACCTAAGTTTAATTCAAGTGGTACTCACTTTTCT
61 N G H Y E T A V E P K F N S S G T H F S

241 AACTTATCCAAAACAACCTTTCCACTGTTGCTTTTCGGAGTGAGCAAGATAGAAAAC TGCTCC
81 N L S K T T F H C C F R S E Q D R N C S

301 TTATGTGCAGACAACATTGAAGGAAGGACATTGTGTTTCAACAGTAAATTC TTAGTTTTT
101 L C A D N I E G R T F V S T V N S L V F

361 CAACAAATAGATgCAAACTGGAACATACAGTGCTGGCTAAAAGGAGACTTAAAAT TATTC
121 Q Q I D A N W N I Q C W L K G D L K L F

421 ATCTGTTATGTGGAGTCATTATTAAAGAATCTATTCAGGAATTATAACTATAAGGTC CAT
141 I C Y V E S L F K N L F R N Y N Y K V H

B ----- **B**

Figure 2B

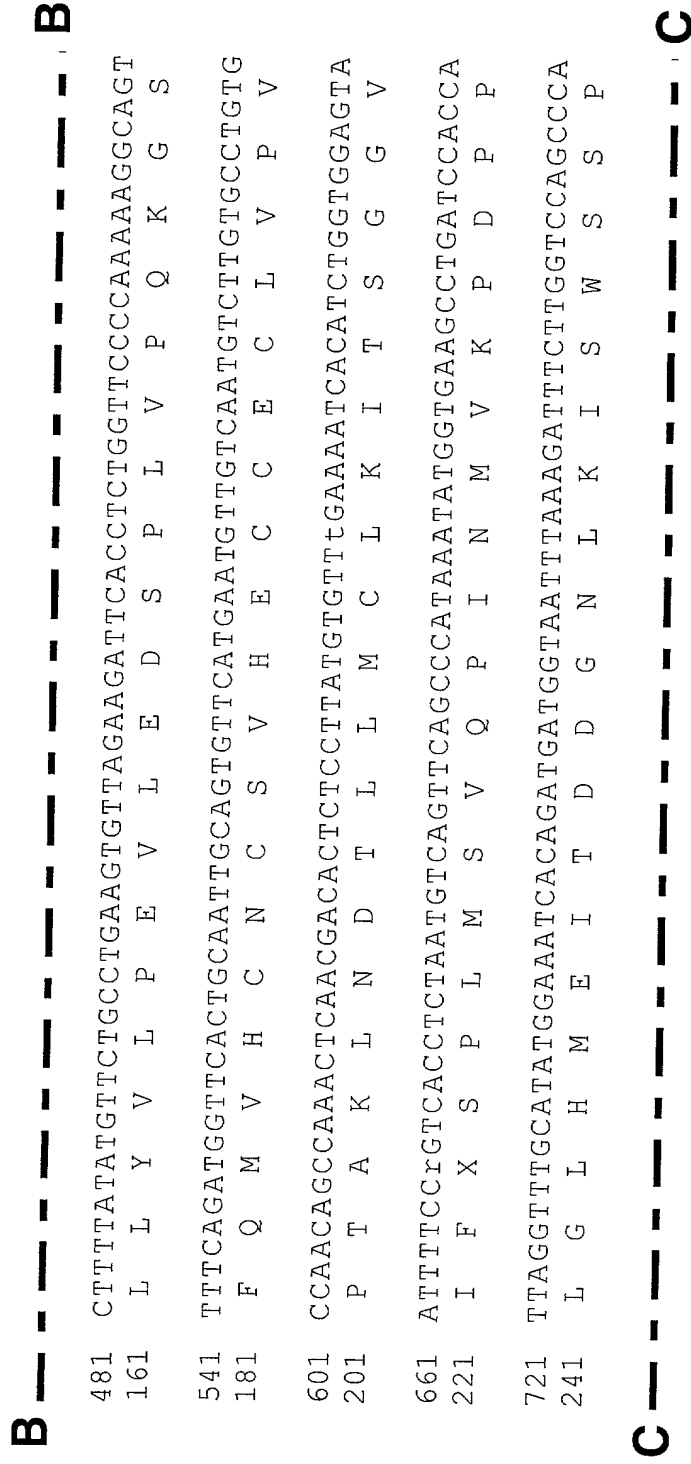


Figure 2C

781 CCATTGGTACCATTTCCACTTCAATAATCAAGTGAATAATTCAGAGAAATTCACAACAGTT
261 P L V P P F P L Q Y Q V K Y S E N S T T V

841 ATCAGAGAAGCTGACAAGATTGTCTCAGCTACATCCCTGCTAGTAGACAGTATCTTCCT
281 I R E A D K I V S A T S L L V D S I L P

901 GGGCTTCGTATGAGGTTTCAGGTGAGGGGCAAGAGACTGGATGGCCAGGAATCTGGAGT
301 G S S Y E V Q V R G K R L D G P G I W S

961 GACTGGAGTACTCCTCGTGCTTTACCACACAAGATGTCAATATACTTTCACCTAAAATT
321 D W S T P R V F T T Q D V I Y F P P K I

1021 CTGACAAAGTGTGGGTCTAATGTTTCTTTTCACTGCATCTATAAGAAAGGAAACAAGATT
341 L T S V G S N V S F H C I Y K K E N K I

D-----D

Figure 2D

D-----D

1081 GTTCCCTCAAAAGAGATTGTTTGGTGGATGAATTAGCTGAGAAAATTCCTCAAAGCCAG
361 V P S K E I V W W M N L A E K I P Q S Q

1141 TATGATGTTGTGAGTGATCATGTTAGCAAAGTTACTTTTTCATCTGAAATGAAACCAA
381 Y D V V S D H V S K V T F F N L N E T K

1201 CCTCGAGGAAAGTTTACCTATGATGCAGTGTAATGCAATGAACATGAATGCCATCAT
401 P R G K F T Y D A V Y C C N E H E C H H

1261 CGCTATGCTGAAATTATATGTGATGTCAATATCAATATCTCATGTGAAACTGATGGG
421 R Y A E L Y V I D V N I N I S C E T D G

1321 TACTTAACATAAAATGACTTGCAGATGGTCAACCAGTACAATCCAGTCACTTGGGAAAGC
441 Y L T K M T C R W S T S T I Q S L A E S

E-----E

Figure 2E

E - - - - - E
1381 ACTTTGCAATTGAGGTATCATAGGAGCAGCCTTTACTGTTCTGATATTCCATCTATTTCAT
461 T L Q L R Y H R S S L Y C S D I P S I H
1441 CCCATATCTGAGCCCCAAAGATTGCTATTTCAGAGTGATGGTTTATGAAATGCATTTTC
481 P I S E P K D C Y L Q S D G F Y E C I F
1501 CAGCCAAATCTTCCTATTATCTGGCTACACAATGTGGATTAGGATCAATCACTCTCTAGGT
501 Q P I F L L S G Y T M W I R I N H S L G
1561 TCACTTGACTCTCCACCAACATGTGTCCTTCCTGATTCTGTGGTGAAGcCACTGcCTCCA
521 S L D S P P T C V L P D S V K P L P P
1621 TCCAGTGTGAAAGCAGAAAATTACTATAAACATTGGATTATTGAAAAATATCTTGGGAAAAG
541 S S V K A E I T I N I G L L K I S W E K
F - - - - - F

Figure 2F

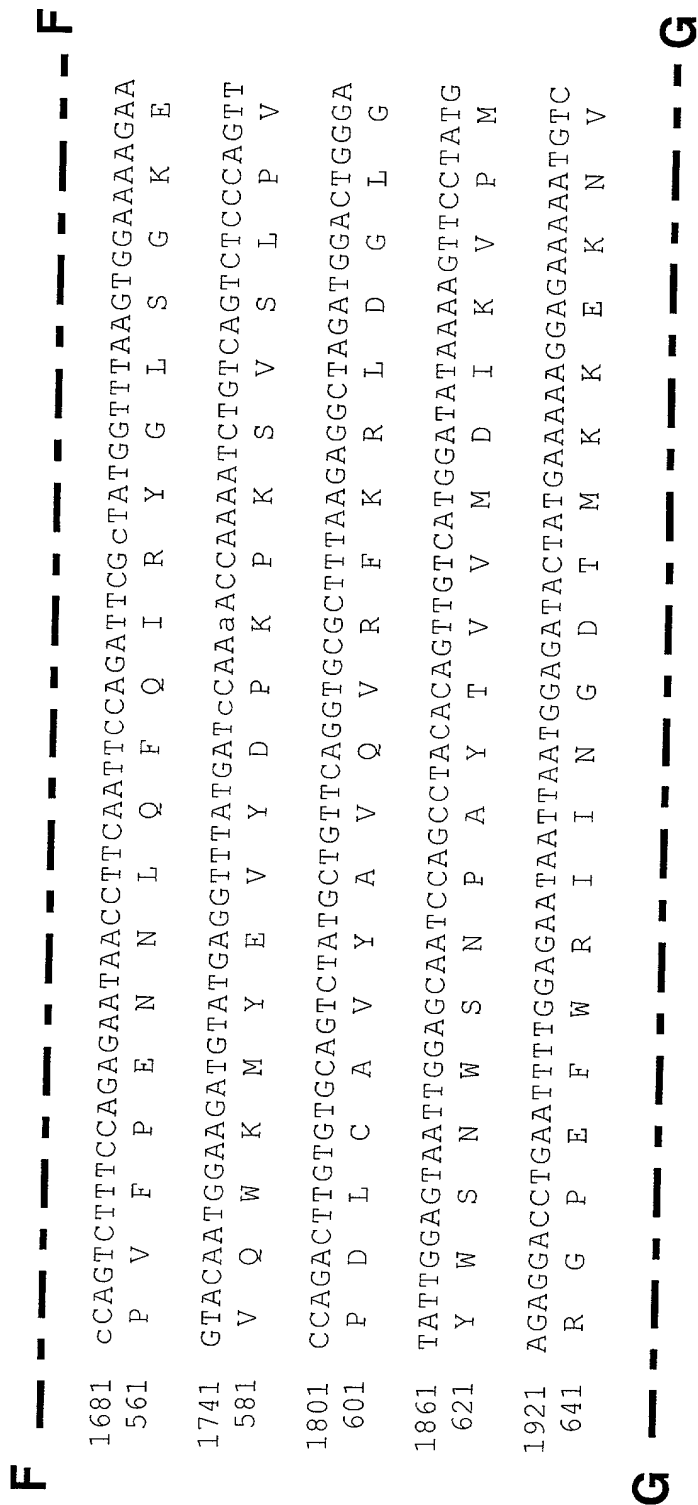


Figure 2G

G --- **G**
 1981 ACTTTACTTTGGAAAGCCCTGATGAAAAATGACTCATTTGTGCAGTGTTTCAGAGATATGTG
 661 T L L W K P L M K N D S L C S V Q R Y V
 2041 ATAAACCATCATACTTCCCTsCAATGGAACATGGTCAGAAGATGTGGGAAATCACACGAAA
 681 I N H H T S X N G T W S E D V G N H T K
 2101 TTCACTTTCCTGTGGACAGAGCAAGCACATACTGTTACGGTTCCTGGCCATCAATTCAATT
 701 F T F L W T E Q A H T V T V L A I N S I
 2161 GGTGCTTCTGTgCaAATtTTAATTTAAACCTTTTCATGGCCtATGAGCAAAGTAAATATC
 721 G A S V A N F N L T F S W P M S K V N I
 2221 GTGCAGTCACTCAGTGCTTATCCCTTTAAACAGCAGTTGTGTGATGTTTCCTGGATACTA
 741 V Q S L S A Y P L N S S C V I V S W I L
H --- **H**

Figure 2H

H - - - - - H

2281 TCACCCAGTGATTACAAGCTAATGTATTTTATTATTGAGTGGAAAAATCTTAATGAAGAT
761 S P S D Y K L M Y F I I E W K N L N E D

2341 GGTGAAATAAAATGGCTTAGAATCTCTCATCTGTTAAGAAGTATTATATCCATGATCAT
781 G E I K W L R I S S S V K K Y Y I H D H

2401 TTTATCCCCATTGAGAAGTACCAGTTCAGTCTTTACCCAAATATTATGGAAGGAGTGGGA
801 F I P I E K Y Q F S L Y P I F M E G V G

2461 AAACCAAAGATAATTAATAGTTTCACCTCAAGATGATATTGAAAAACACCAGAGTGATGCA
821 K P K I I N S F T Q D D I E K H Q S D A

2521 GGTTATATGTAATTGTGCCAGTAATTATTTCCCTCTTCCATCTTATTGCTTGGAAACATTA
841 G L Y V I V P V I I S S S I L L L G T L

I - - - - - I

Figure 2I

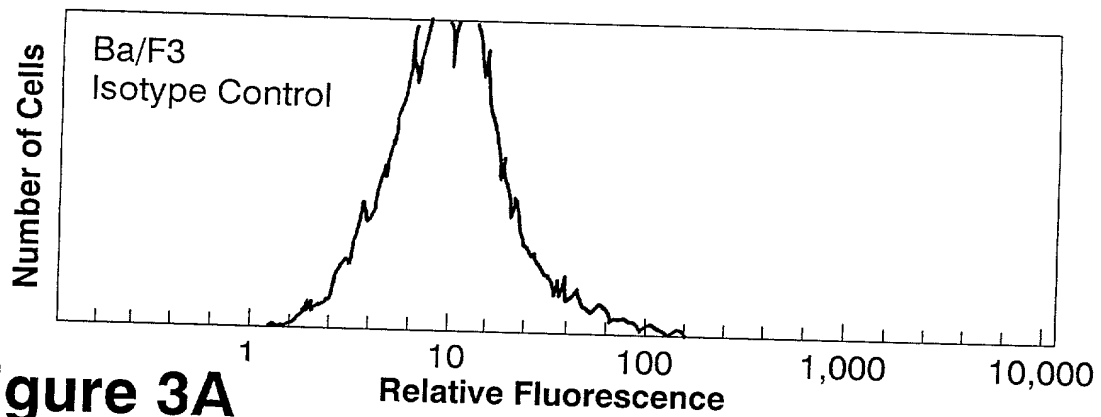
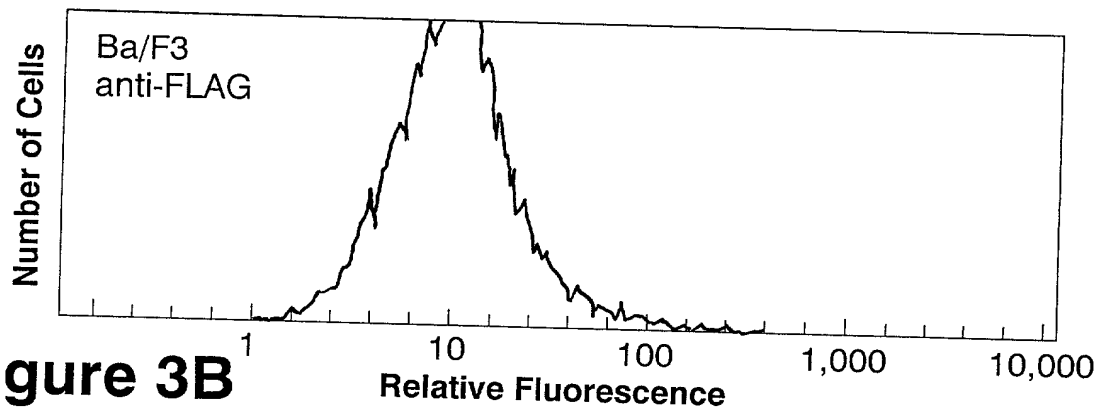
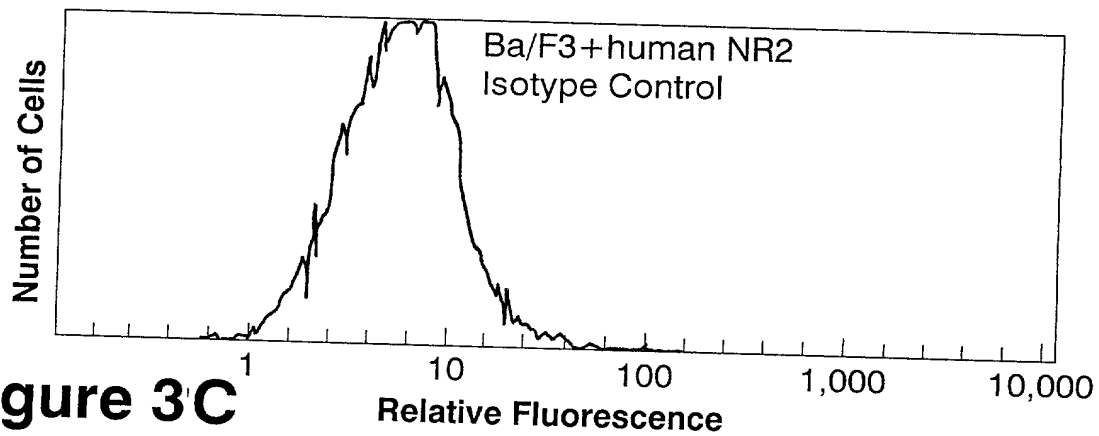
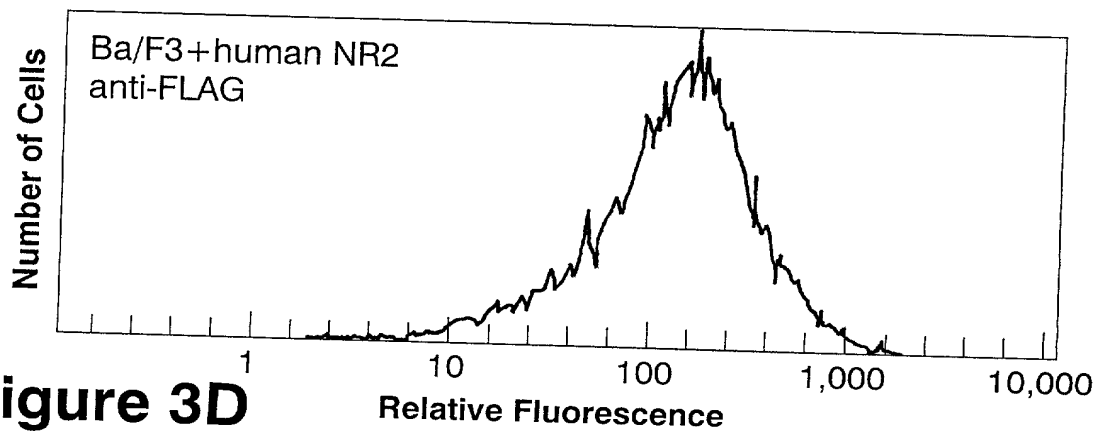
2581 TTAATATCACACCAAGAATGAAAAAGCTATTTGGGAAGATGTTCCGAACCCCAAGAAT
 861 L I S H Q R M K K L F W E D V P N P K N
 2641 TGTTCTGGGCACAAGGACTTAAATTTTCAGAAAGAGAACGGACATTCTTtgaagtctaac
 881 C S W A Q G L N F Q K R T D I L *
 2701 atgatacactacagatgaacccaatgtgccaaacttcccaacagtcctatagagtattagaag
 3761 atttttacattttgaagaaggaggagcaaatctaaaaaaattcagttgaacttctgagag
 2821 ttaacatatggtgattatgttgatttagaaacttaaaaatagatgtcatttaaaccccaagt
 2881 ttacatctaaactcaggtcaaacctacacactaattaaaagtttagtagatttcaaat
 2941 ttcatcataagtactaaagaccgaaaactaaacagtataaggaccagtattttgtaattc
 3001 ttttaataccgacaaacgacagtaattgtatagataatttacagtagtttatacatcatctg
 3061 ttaggacattaatccacttgagattttgacgttgtagactgtttatcgaaaatttttatgt
 3121 tactaataattcataccttagtcacttttataaaatcaaacataaaaaatacagggtttgaaaa

Figure 2J

J. - - - - - J

3181 ggtaaaatctaagggaatatctgtgcagtcggatttttagtcggataagccccacaagaaa
3241 acttatagaggaccgtaaaaacatagattgaaacaagttagaccccttaaagtcaaaagtt
3301 ataggaaacttttacccgaattcactattgaaggcaaaagtcaattttccttcgggcttcaac
3361 acaaacacgacgggtgtcctgtcacccctcaatgtcaagtatatagtcctactgggatgtatg
3421 ggtccagtctaactgcccctgggtcttcccttgtagctgaagattacaggtgcgaaaagaaca
3481 aattaatactggatttagattaaatgaagggtgacttggtaggttcttgagaccgtccgtc
3541 cctttaccctcactasgtttttccctctgagaaaacctcgaaaaatactttatcaagtacc
3601 actcctgtcttgaaaaagatgaaaagtctgtctgacgaacgatcaaaataacttaag

Figure 2K

**Figure 3A****Figure 3B****Figure 3C****Figure 3D**

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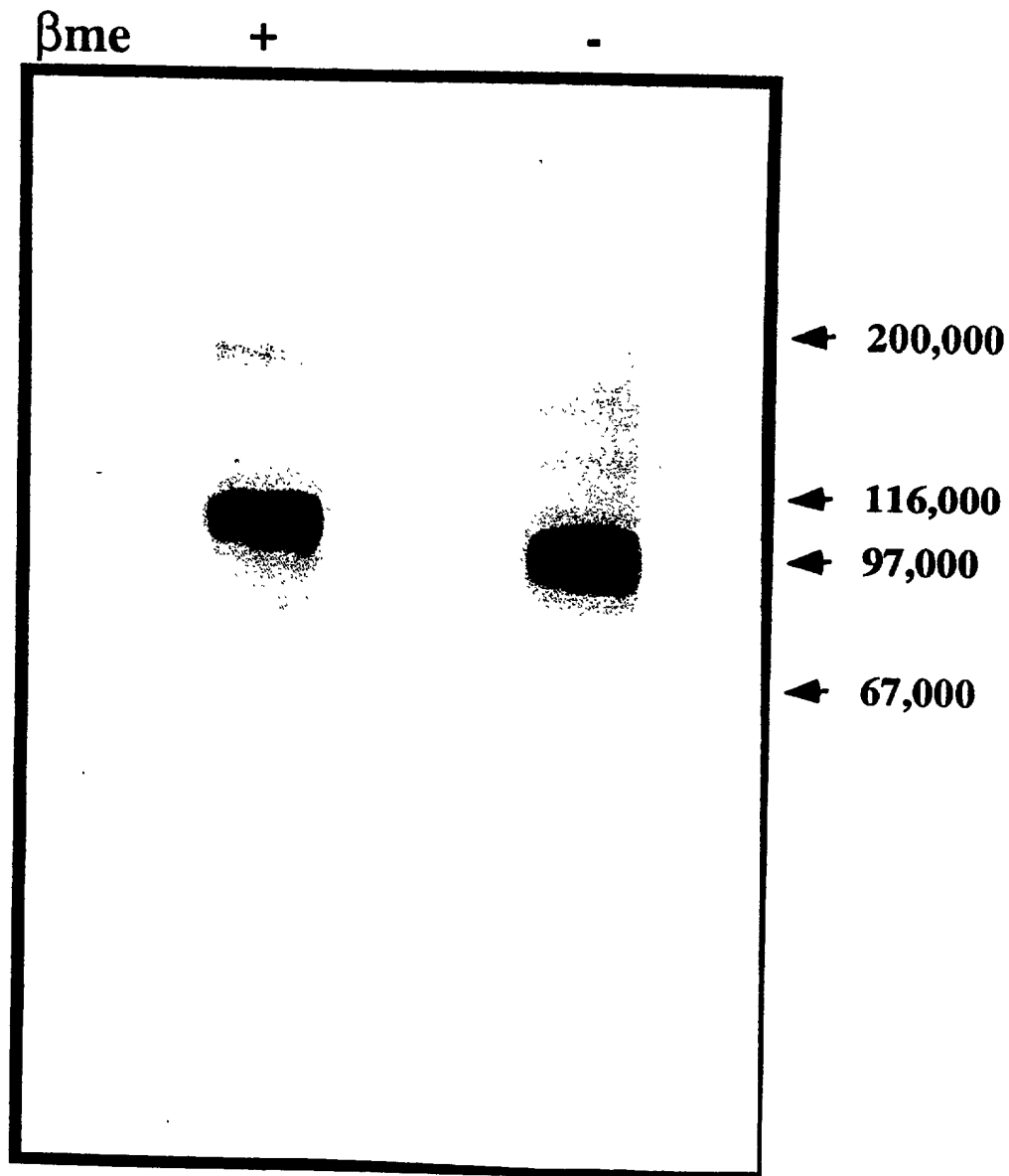
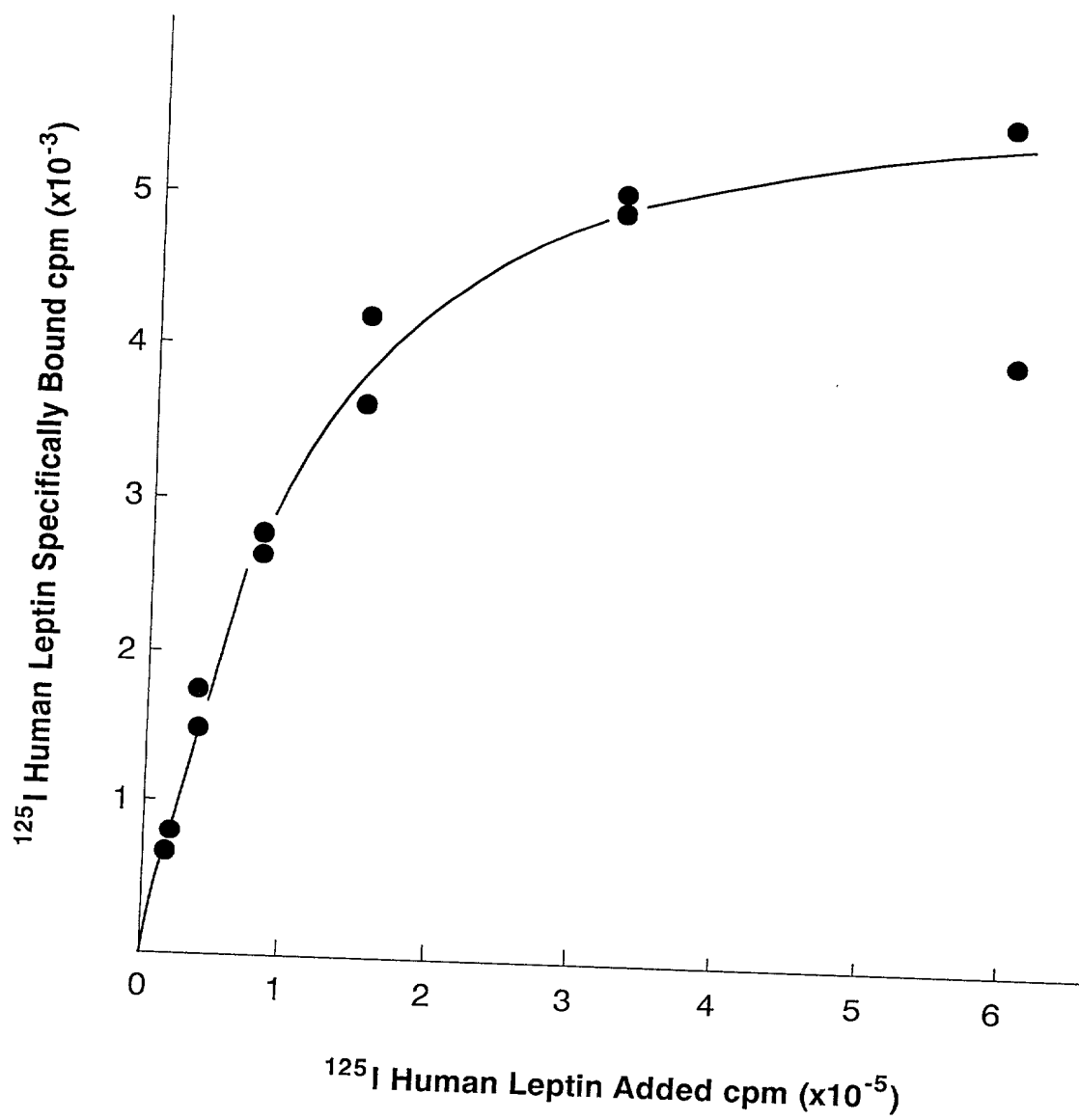
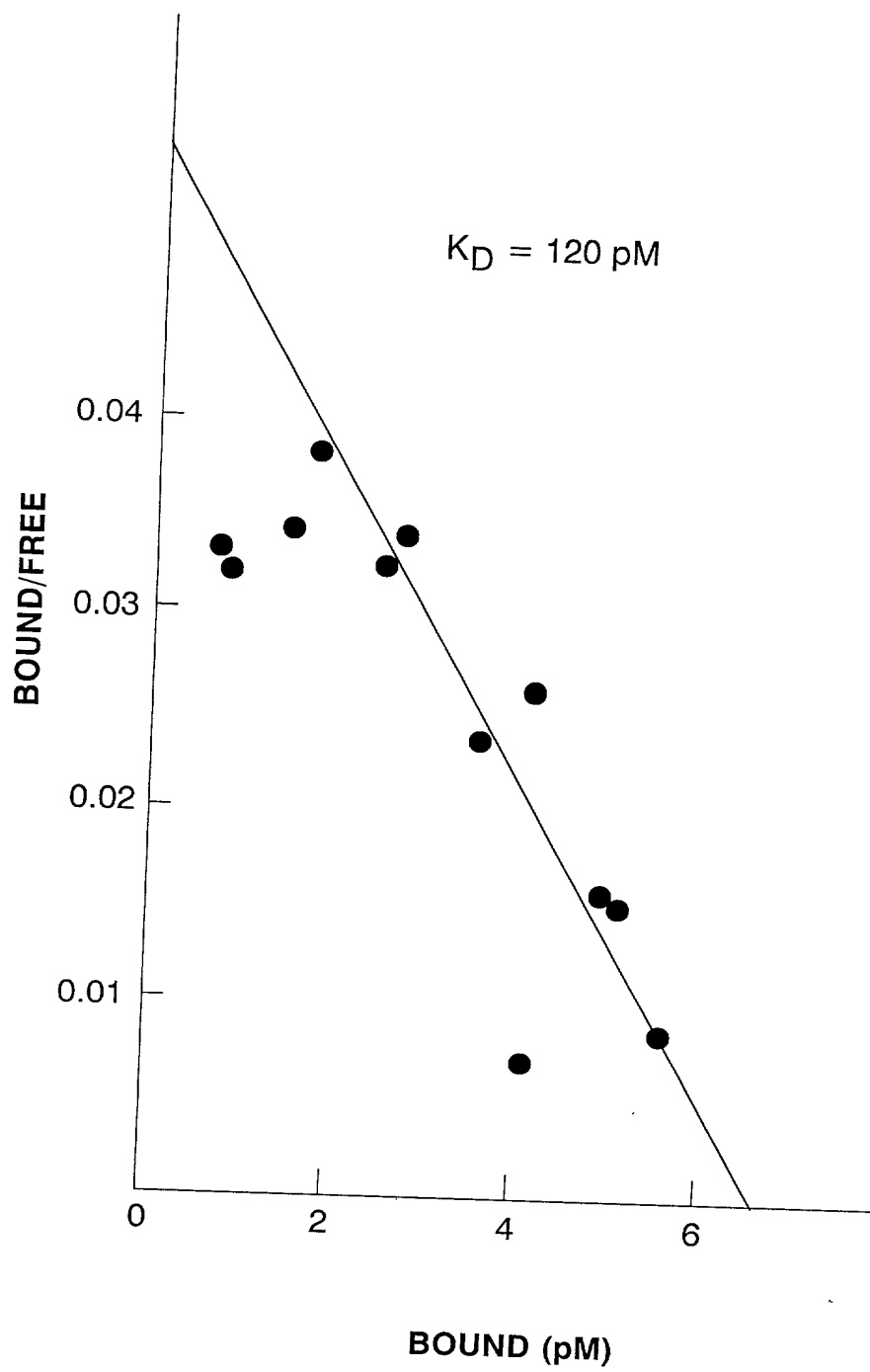
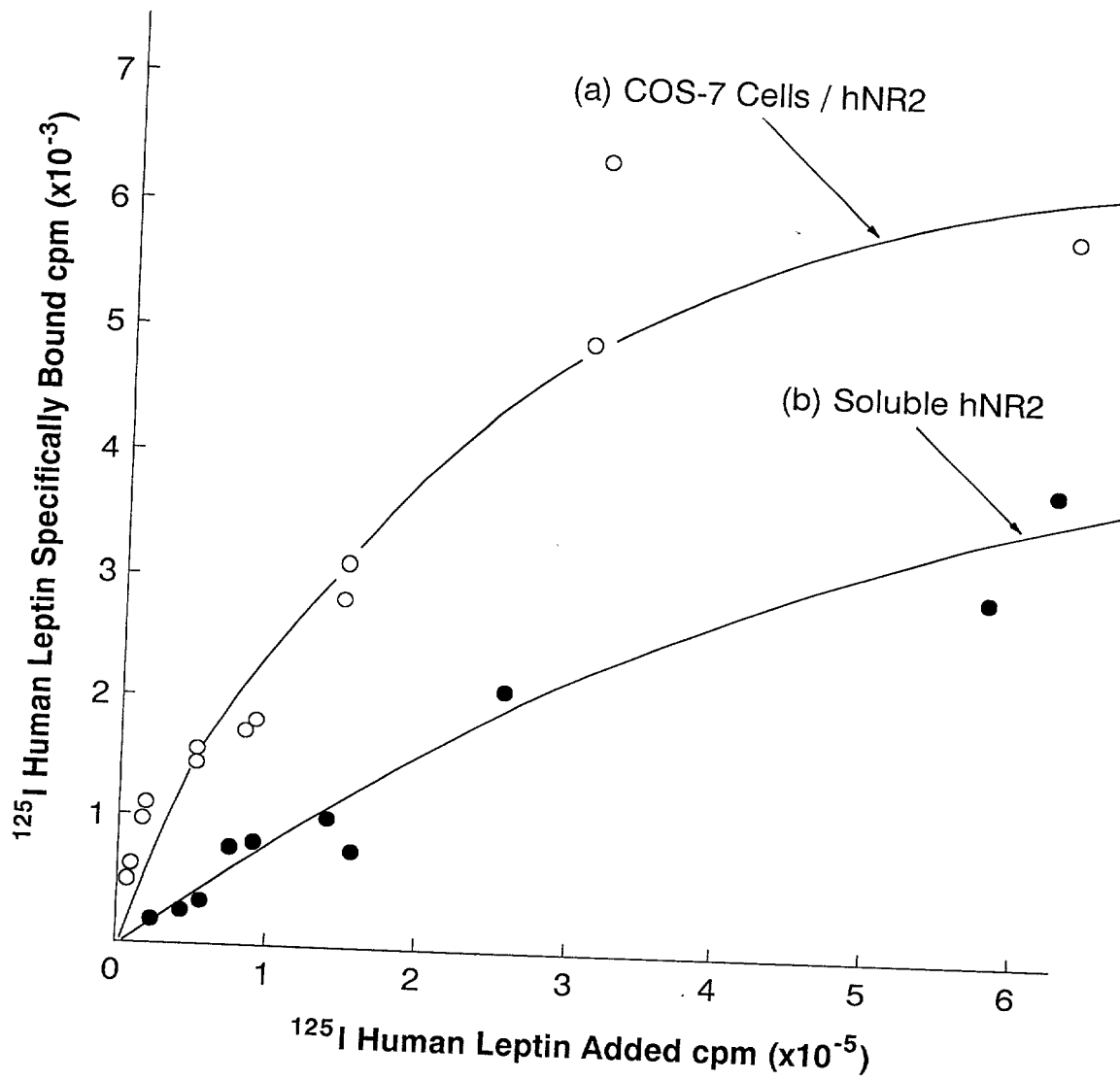
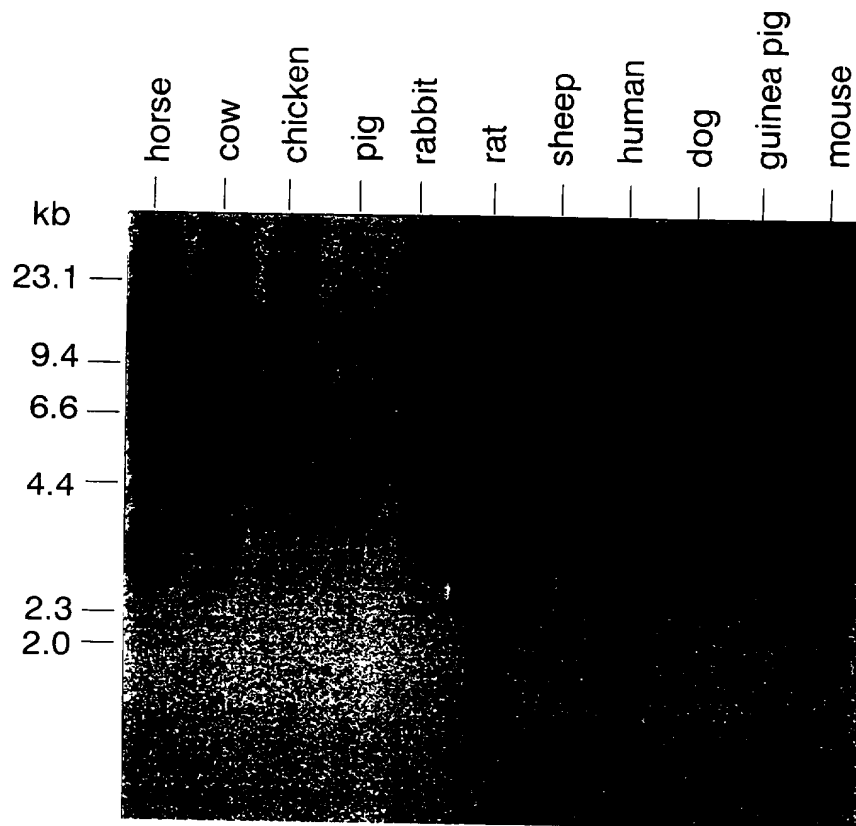


Figure 4

**Figure 5A**

**Figure 5B**

**Figure 6**



Cross-species conservation of the NR-2 gene

Figure 7

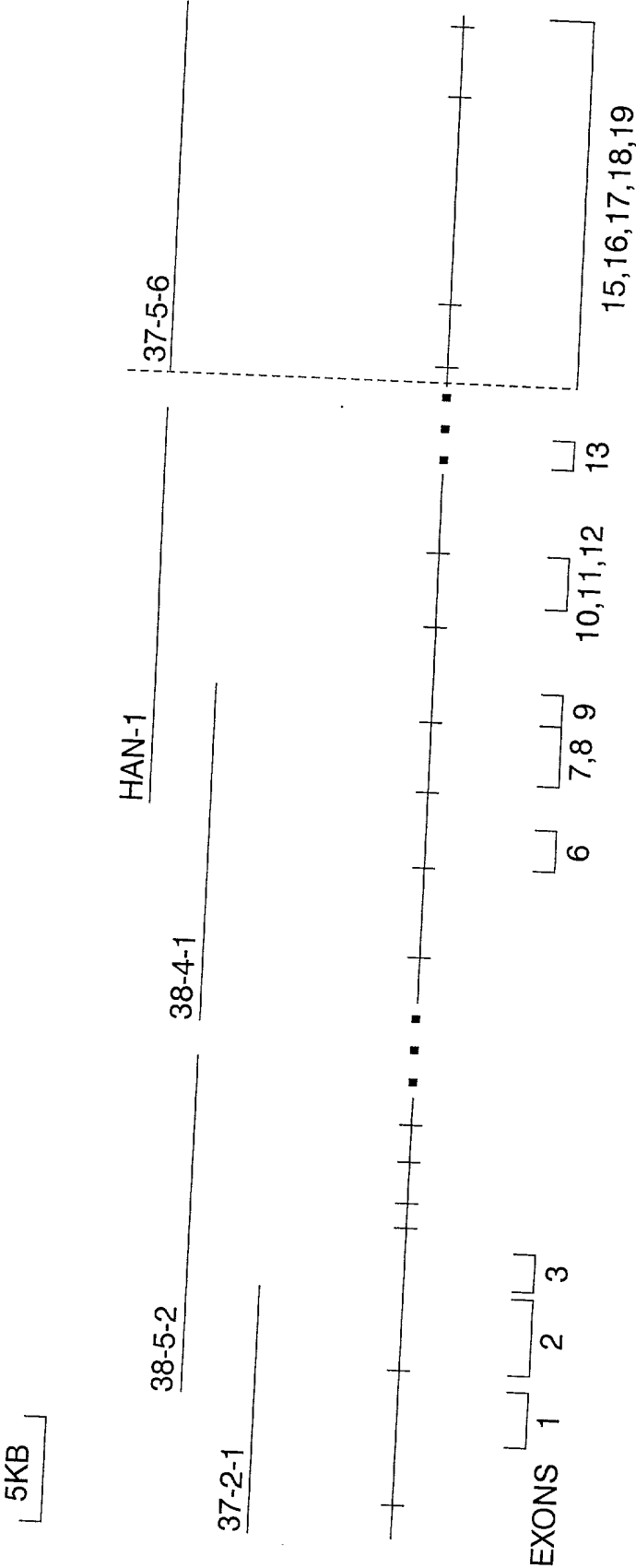
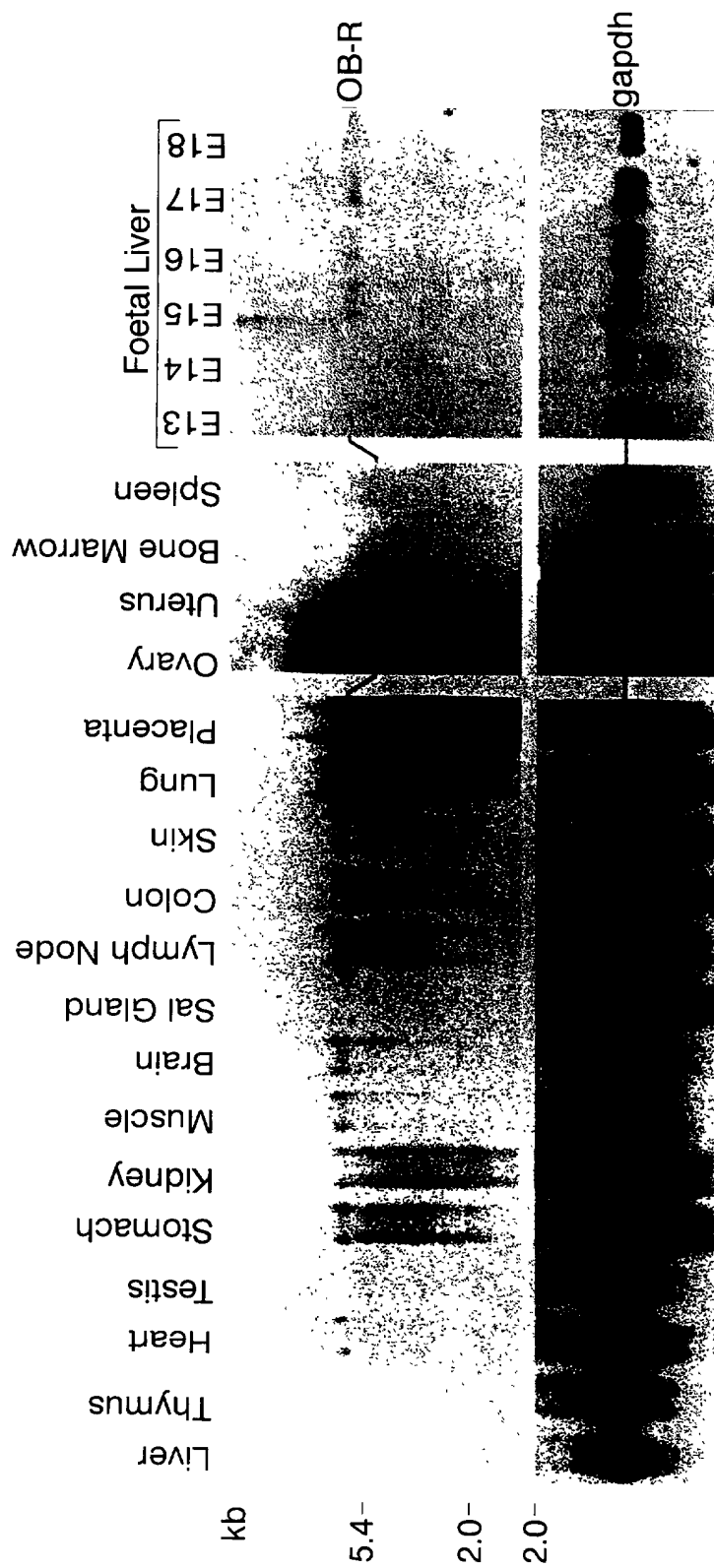


Figure 8



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Expression of the Leptin Receptor (NR2) in murine tissues

Figure 9

↑ TOP